



chain nodes :

19 20 21 22 23 24 25 26 27 28 53 54 55 56

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 29 30 31 32 33 34 35 36
37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52

chain bonds :

1-19 2-25 3-26 4-27 7-19 10-28 11-20 12-24 13-21 14-20 17-23 18-22 28-30 33-53
41-54 46-55 51-56

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12 13-14 13-18 14-15 15-16
16-17 17-18 29-30 29-34 30-31 31-32 32-33 33-34 33-35 34-38 35-36 35-39 36-37
36-42 37-38 39-40 40-41 41-42 41-43 42-45 43-44 43-46 44-45 44-48 46-47 47-48
47-49 48-52 49-50 50-51 51-52

exact/norm bonds :

1-2 1-6 1-19 2-3 2-25 3-4 3-26 4-5 4-27 5-6 7-8 7-12 7-19 8-9 9-10 10-11 10-28
11-12 11-20 12-24 13-14 13-18 13-21 14-15 14-20 15-16 16-17 17-18 17-23 18-22
28-30 29-30 29-34 30-31 31-32 32-33 33-34 33-35 34-38 35-36 35-39 36-37 36-42
37-38 39-40 40-41 41-42 41-43 42-45 43-44 43-46 44-45 44-48 46-47 47-48 47-49
48-52 49-50 50-51 51-52

exact bonds :

33-53 41-54 46-55 51-56

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom
12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:CLASS 20:CLASS 21:CLASS
22:CLASS 23:CLASS 24:CLASS 25:CLASS 26:CLASS 27:CLASS 28:CLASS 29:Atom 30:Atom 31:Atom
32:Atom 33:Atom 34:Atom 35:Atom 36:Atom 37:Atom 38:Atom 39:Atom 40:Atom 41:Atom
42:Atom 43:Atom 44:Atom 45:Atom 46:Atom 47:Atom 48:Atom 49:Atom 50:Atom 51:Atom
52:Atom 53:CLASS 54:CLASS 55:CLASS 56:CLASS